

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA JULY 2021 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/L) ²	(µS/cm) ³
07/20/21	10:18	31.5	7.6	1.6	5,699

FIELD OBSERVATIONS

07/20/21 10:09- Ambient air temp 25°C. Water color is green. Partly cloudy. Slight breeze 5 miles per hour from western direction. Light foam. No odor.

NOTES- Flow appears to be center of channel. Measurements taken from left bank side of river. Ducks and heron present at site at arrival. Installed new lock on gate (old lock missing at arrival).

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
07/20/21	10:33	>16,000 ⁵ (1:10 dilution)
07/20/21	10:34	>16,000 (1:10 dilution)
07/20/21	10:35	13,000 (1:100 dilution)
07/20/21	10:36	54,000 (1:100 dilution)

¹ Water temperature is reported in units of degrees Celsius (°C).

² Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

³ Specific conductivity is reported in units of microSiemens per centimeter.

⁴ Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

⁵ Fecal coliform is greater than the upper reporting limit.

CHEMICAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) ⁶
07/20/21	Ammonia as Nitrogen	SM 4500 NH3 HG	2	10
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07/20/21	Total Kjeldahl Nitrogen	EPA 351.2	1	14
07/20/21	Total Kjeldahl Nitrogen	EPA 351.2	1	14
07/20/21	Total Phosphorus	SM 4500-P BE	0.25	2.5
07/20/21	Total Phosphorus	SM 4500-P BE	0.25	4.0
07/20/21	Total Suspended Solids	SM 2540 D	5	27
07/20/21	BOD ⁷	SM 5210 B	20	ND ⁸
07/20/21	BOD	SM 5210 B	20	ND
07/20/21	Arsenic	EPA 200.8	0.002	0.01
07/20/21	Arsenic	EPA 200.8	0.002	0.01
07/20/21	Selenium	EPA 200.8	0.001	0.008
07/20/21	Selenium	EPA 200.8	0.001	0.008

⁶ The concentrations are reported in units of milligrams per liter.

⁷ Biochemical Oxygen Demand.

⁸ Analyte NOT DETECTED at or above the Reporting Limit (or Method Detection Limit when listed).